

## Non-gasoline Burning Outboard Engine



### DESCRIPTION

The Non-gasoline Burning Outboard Engine (NBOE) is a 55HP, electronically fuel-injected, outboard engine with multi-fuel capability that can use diesel, JP-5, JP-8, and gasoline fuels with no performance reduction. This engine will allow Marines to deploy globally, using available fuels, while minimizing the safety risks and transportation restraints of current gasoline only engines. This new capability will enable the Marine Corps to comply with the single battlefield fuel initiative.

### OPERATIONAL IMPACT

The NBOE will replace the current Small Craft Propulsion System and will power the Combat Rubber Reconnaissance Craft (CRRC) during small craft operations. The NBOE will possess the necessary performance capabilities to

power a combat loaded CRRC, in support of expeditionary reconnaissance and raid missions. Typical mission profiles will consist of tactical movements of Marine reconnaissance or raiding forces from Over-The-Horizon. The NBOE will also be used in littoral operations supporting Operational Maneuver from the Sea.

### PROGRAM STATUS

The NBOE is in the system development and demonstration phase of the acquisition life cycle. The Marine Corps purchased six production-like NBOE in FY 2006 for testing. During FY 2007, Marine Corps Systems Command in conjunction with the Marine Corps Operational Test and Evaluation Activity will be testing the engine in operational and test chamber environments to determine its ability to meet all performance requirements. Procurement of production engines will be in late FY 2007 based on successful evaluation/testing. Fielding of the NBOE is planned to begin in first quarter FY 2008 and continue to completion in fourth quarter FY 2008.

Procurement Profile:	FY 2007	FY 2008
Quantity:	0	585

Developer:  
Bombardier Recreational Products, Waukegan, IL